line another Ewart conveyor is to be

mills, to secure better results from

the maceration water, and a set of Meinecke revolving knives is to be

installed. Messchaert prooves with

The extraction of sucrose in cane this

"The operating expenses for the

for the year 1914; but included in the

expenses for 1915 there is the bonus

of 20 per cent on wages, amounting to

\$61,497.13, paid to the employes of the

The total cost of the crop of 1915

marketed was \$37,317.34 less than the

crop of 1914, aithough the total

amount of the 1915 bonus was charged

to the cost of production of that crop.

Cost of production per ton of sugar

"The total cost of the crop of 1.115

more than that of the crop of 1915, on

for the crop 1915 than for 1914, and

agents of\$301,472.71

Bank of Commerce..... 200.000.00 Sinking fund investments, 102,900.00

agents of\$156,287.96

Bank of Commerce..... 200,000.00

'Sinking fund investments. 108,050.00

"During the year 1915 we have paid

of all kinds\$100,868.78

capital stock 540,000.00

And we have cash on hand 24,788.20

the year 1915 was.... 1,084,465.97

"On January 1, 1916, there was:

\$604,373.80

50,000.00

1.488.23

17,008.50

566,500.00

"On January 1, 1915, we had

a credit balance with our

On deposit with Canadian

Sinking fund

On January 1, 1916, we had

a credit balance with our

On deposit with Canadian

On deposit with Bank of

Sinking fund

Permanent improvements

Wahiawa Water Co., Ltd.,

stock

stock

Dividend: 12 per cent on

Interest on bonds

Premiume on bonds pur-

chased and canceled

ped and on hand.....\$

Sugar of crop 1916 ship-

The total net profit for

Out of the money paid

into the sinking fund

during the current year

and balance on hand

from previous year, the

trustees for the bond-

holders purchasec and

retired bonds of the par

Leaving a balance in

the sinking fund and

invested of

And a balance of out-

standing bonds

indebtedness of the company.)"

"(Called in and to be paid on April

1916, canceling the entire bonded

value of

Kawailoa Land Co., Ltd.,

Hawaii, Ltd.

average last year.

put in between the first and second

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WAIALUA TAKES UP BONDS AND PAYS HALF MILLION DIVIDENDS

Shareholders Get Detailed An-Increase the extraction, and in that nual Reports on Condition of Plantation and Company

Waialua Agricultural Company, Ltd., out of net profits in 1915 of \$1,158. double scrapers are now in use on all \$51 paid out \$540,000 in dividends, and the lower rollers of our four mells. in addition made provision for canceling more than \$500,000 worth of the season, to February 12, has averaged bonds, the last outstanding blocks of 97.15 or 1.21 per cent better than the the issue, according to reports mailed today to the shareholders, who have their annual meeting at 10 o'clock to- year 1915 were \$85,619.25 more than

Excerpts follow from the annual report of William W. Goodale, manager of the company, which show the condition of the company, the mill, growing crops and plantation in general: Crop of 1915.

"We began grinding the crop of 1915 on December 7, 1914, and finished grinding on September 16, 1915. "The total yield of sugar was 31,-

156.50 tons from all the fields har marketed was \$1.94 less in 1915 than vested, including 459.39 tons manufac- in 1914. tured by this company from cane cultivated by independent planters on to January 1, 1916, was \$34.840.59 their own lands.

"The yield of the company's fields the even date, part of the difference exceeded my estimate by 37.53 tons. being in the cost of plowing and plant-The crop was harvested from a total ing 588.7 acres more of plant cane area of 5304.12 acres "The average yield of sugar per acre part because of the larger area under

for this crop was materially affected cultivation. by 654.16 acres of cane from fields above the Wahiawa and pump ditches, that yielded only 4.08 tons of sugar per acre. These fields suffered during the latter half 1913, just at the time when we were starting the young plant and ratoons, and because of their situation, depended for irrigation upon water from the upper ditches.

"Comparisons of the yield of cane per acre for the three crops, 1913, 1914 and 1915, with the preceding five crops, show plainly the effect of drought. Crop of 1916.

"We began grinding the crop of 1916 on December 20, 1915, and on January 31 had made 3545 tons of sugar, including 275 tons in tanks and crystal-"The average sucrose in cane was out of current receipts and including

13.14 to January 31, which was better reduction in agents' balance: than expected, considering the heavy rainfall in December and January. "On January 31 we had taken off 588.02 acres that had yielded 50.59 tons of cane and 6.03 tons of sugar

"The fields that had been completed on January 31, 442.50 acres, had exceeded my estimate by 165,82 tons of sugar or .375 tons of sugar per acre.

"The Demerara 117 and 1135 and the H-109 fields have grown remarkably well and very heavy yields of cane per acre are expected. The qual ity of the juices from cane of the newer varieties and their value as substitues for Lahaina are still uncertain. Where the water supply is abundant during the entire period of the growth of a crop, Lahaina cane with its high quality juice seems to have no superior, but it will not stand irregular and insufficient irrigation as well as some other varieties.

I have estimated the crop of 1916 at 31,499,24 tons. Crop of 1917.

"There will be 5185.64 acres for the erop of 1917, including 67.50 acres belonging to independent planters.

"The area to be harvested for the crop of 1917 is less than we expected. The dry weather and low water in the upper ditches that prevailed during 1913, 1914 and 1915, so seriously affected the cane on 255 acres of Upper Helemano and Kemoo that the roots were weak and unthrifty. It would have been a waste of water, labor and fertilizer to continue to cultivate these fields, and they were abandoned. The area of long rations for this crop is 255 acres less than it should have been. We have plowed the land and shall plant it this year for the crop of 1918. We lose the use of the land for one year, but shall probably get twice as much sugar from the plant cane as we would obtain from a poor crop of ratoons.

Crop of 1918. "We shall plant about 1200 acres this year for the crop of 1918, and the total area to be harvested will be about 5300 acres.

"We have plowed about 450 acres, although the wet weather during the last two months has been very unfavorable for such work.

Reservoirs and Ditches. "The total amount of water delivered by all the ditches and reservoirs in 1915 was 14,462,771.855 gallons, which is only 80 per cent of the water obtained from the same sources in 1914. The heavy rains of this winter, the first we have had since 1904, have thoroughly soaked the watershed of all the streams, and the run-off will no doubt be much greater during 1916. "No new ditches have been dug this year, but we have built one dam on Helemano, across a ravine where a railroad fill or trestle was necessary,

Permanent Improvements. "We expended \$100,868.78 for permanent improvements. "We have expended \$14,350.75 in ining ditches with concrete, and during the year 1915 lined about nine

miles of main and level ditches.

the dam thus serving two purposes.

"Improved methods in use at the mill last year resulted in a gain of about two per cent in recovery of the sugar in the cane, but at 67 cents pe ton greater cost of manufacture, owing principally to a heavier repair account, including \$10,719.45 for new

rollers, roller shafts and shells. "We experimented in burning waste molasses in a furnace designed for the recovery of the potash. The results were very encouraging, but not as profitable as the sale of molasses delivered in tank cars in Honolulu for shipment to the coast. A contract has been made for the sale of this by product at satisfactory terms, for two

"Special efforts are being made to

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